Human MMP7 (proenzyme), His Tag, E. coli

Catalog Number	LDG055PHE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression system
Escherichia coli

Affinity Tag
His Tag (C-term)

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 30.47 kDa. The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

Matrix metalloproteinase-7 proenzyme (proMMP-7) is a 30.47 kDa matrix metalloproteinases with 273 amino acid residues. MMP-7 restricted production by normal mucosal and exocrine gland epithelial cells, as well as by carcinoma cells. Functionally, it involved breakdown of extracellular matrix (casein, gelatins of types I, III, IV, and V, and fibronectin) in normal physiological processes and disease processes. MMP-7 is contributed to early tumor development during carcinogenesis. proMMP7 activation by trypsin occurs via an intermediate cleaved at Lys50-Asn51.

Synonyms

Matrin, Matrix metalloproteinase-7, MMP-7, Pump-1 protease, Uterine metalloproteinase, Matrilysin

Uniprot ID

#P09237

Sequence Note

Met1-Lys276

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

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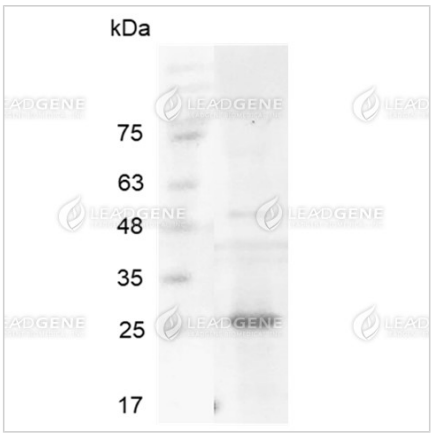
Image



SDS-PAGE analysis of recombinant human MMP7 (proenzyme).

Disclaimer : For Research Use or Further Manufacturing Only.

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